

## WEST Search History

DATE: Thursday, October 03, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB; PLUR=YES; OP=OR</i>			
L14	L13 AND BACE	23	L14
L13	L12 AND beta	621	L13
L12	amyloid	682	L12
<i>DB=DWPI; PLUR=YES; OP=OR</i>			
L11	L10 AND modulation	21	L11
L10	L9 AND formation	925	L10
L9	L6 AND peptide	12976	L9
L8	L7 AND peptide formation	319200	L8
L7	L6 AND antibody	20912	L7
L6	amyloid precursor protein	126781	L6
L5	L4 AND modulation	1	L5
L4	L3 AND peptide	72	L4
L3	L2 AND beta	115	L3
L2	L1 AND antibody	225	L2
L1	(amyloid)	939	L1

END OF SEARCH HISTORY

**GAMMA SECRETASE SUBSTRATES AND IN VITRO ASSAYS**

Patent Number: WO0183811  
Publication date: 2001-11-08  
Inventor(s): GARDELL STEPHEN (US); HUANG QIAN (US); LI YUEMING (US); XU MIN (US)  
Applicant(s): GARDELL STEPHEN (US); HUANG QIAN (US); LI YUEMING (US); MERCK & CO INC (US); XU MIN (US)  
Requested Patent: ☐ WO0183811  
Application Number: WO2001US13332 20010425  
Priority Number (s): US20000201053P 20000501  
IPC Classification: C12Q1/00; G01N33/53; C12N9/48; A61K38/00; C07K14/00; C07H21/04  
EC Classification: C07K14/47A3, C12Q1/37  
Equivalents:  
Cited Documents: US5187153

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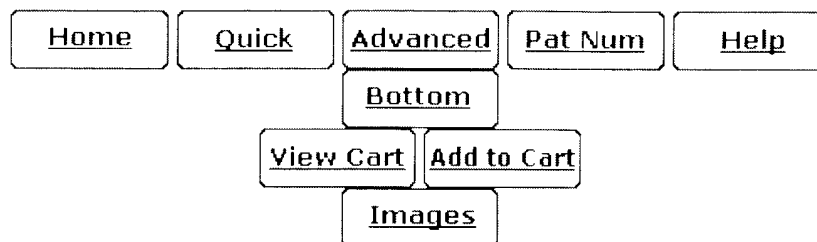
**Abstract**

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The present invention features gamma -secretase substrates and *in vitro* assays for measuring gamma -secretase activity employing such substrates. The gamma -secretase substrates described herein contain a hydrophilic polypeptide moiety covalently joined to the carboxyl terminus of a beta -CTF domain. A "beta -CTF domain" is a polypeptide that can be cleaved by gamma -secretase and which approximates the C-terminal fragment (amino acids 596-695) of APP produced after cleavage of APP by a beta -secretase, or is a functional derivative thereof.

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Data supplied from the esp@cenet database - I2

**USPTO PATENT FULL-TEXT AND IMAGE DATABASE**

( 1 of 1 )

**United States Patent**  
**Seubert , et al.**

**5,441,870**  
**August 15, 1995**

Methods for monitoring cellular processing of .beta.-amyloid precursor protein

**Abstract**

Processing of .beta.-amyloid precursor protein (.beta.APP) is monitored by detecting the secretion of a soluble .beta.APP fragment resulting from cleavage of .beta.APP at the amino-terminus of .beta.-amyloid peptide. In vivo monitoring of secretion of the .beta.APP fragment may be monitored for diagnosis and prognosis of Alzheimer's disease and other .beta.-amyloid-related diseases, while in vitro monitoring of such secretion from cultured cells may be monitored to identify inhibitors of .beta.-amyloid production. The .beta.APP fragment may be detected using antibodies and other specific binding substances which recognize a carboxy-terminal residue on the fragment.

Inventors: **Seubert; Peter A.** (South San Francisco, CA); **Schenk; Dale B.** (Pacifica, CA); **Fritz; Lawrence C.** (San Francisco, CA)

Assignee: **Athena Neurosciences, Inc.** (South San Francisco, CA); **Eli Lilly and Company** (Indianapolis, IN)

Appl. No.: **965971**

Filed: **October 26, 1992**

**Current U.S. Class:** 435/7.1; 435/7.21; 435/7.92; 436/518; 436/811

**Intern'l Class:** G01N 033/53

**Field of Search:** 435/7.1,7.4,7.92,7.21,41 436/518,547,548,63,804,811

**References Cited [Referenced By]****U.S. Patent Documents**

4666829	May., 1987	Glenner et al.	435/6.
5200339	Apr., 1993	Abraham	435/23.
5234814	Aug., 1993	Card et al.	435/7.

**Foreign Patent Documents**

WO91/16628	Oct., 1991	WO.
WO92/00521	Jan., 1992	WO.

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Connecting via winsock to STN

Welcome to STN International! Enter x:x

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FILE 'HOME' ENTERED AT 15:08:35 ON 03 OCT 2002

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FILE COVERS 1907 - 3 Oct 2002 VOL 137 ISS 14  
FILE LAST UPDATED: 2 Oct 2002 (20021002/ED)

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CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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=> s abeta
L1      132 ABETA

=> s Abeta11-40
        0 ABETA11
        1128083 40
L2      0 ABETA11-40
        (ABETA11(W)40)

=> s beta-site APP-cleaving enzyme 1
        1140641 BETA
        1311 BETAS
        1140707 BETA
        (BETA OR BETAS)
        461213 SITE
        431413 SITES
        759263 SITE
        (SITE OR SITES)
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546763 APP  
3570 APPS  
548527 APP  
(APP OR APPS)  
8870 CLEAVING  
2 CLEAVINGS  
8871 CLEAVING  
(CLEAVING OR CLEAVINGS)  
654390 ENZYME  
366429 ENZYMES  
818492 ENZYME  
(ENZYME OR ENZYMES)

7289010 1  
L3 2 BETA-SITE APP-CLEAVING ENZYME 1  
(BETA(W)SITE(W)APP(W)CLEAVING(W)ENZYME(W)1)

=> d L3 1-2 IBIB

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:846151 CAPLUS  
DOCUMENT NUMBER: 136:100021  
TITLE: The .beta.-secretase, BACE. A prime drug target for  
Alzheimer's disease  
AUTHOR(S): Vassar, Robert  
CORPORATE SOURCE: Department of Cell and Molecular Biology, Northwestern  
University Medical School, Chicago, IL, 60611, USA  
SOURCE: Journal of Molecular Neuroscience (2001), 17(2),  
157-170  
CODEN: JMNEES; ISSN: 0895-8696  
PUBLISHER: Humana Press Inc.  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:159878 CAPLUS  
DOCUMENT NUMBER: 134:339103  
TITLE: Mice deficient in BACE1, the Alzheimer's  
.beta.-secretase, have normal phenotype and abolished  
.beta.-amyloid generation  
AUTHOR(S): Luo, Yi; Bolon, Brad; Kahn, Steve; Bennett, Brian D.;  
Babu-Khan, Safura; Denis, Paul; Fan, Wei; Kha, Hue;  
Zhang, Jianhua; Gong, Yunhua; Martin, Laura; Louis,  
Jean-Claude; Yan, Qiao; Richards, William G.; Citron,  
Martin; Vassar, Robert  
CORPORATE SOURCE: Amgen, Thousand Oaks, CA, 91320, USA  
SOURCE: Nature Neuroscience (2001), 4(3), 231-232  
CODEN: NANEFN; ISSN: 1097-6256  
PUBLISHER: Nature America Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> S BACE

112 BACE  
2 BACES

L4 112 BACE  
(BACE OR BACES)

=> S L4 AND antibody

236731 ANTIBODY  
257394 ANTIBODIES  
357839 ANTIBODY  
(ANTIBODY OR ANTIBODIES)

L5 6 L4 AND ANTIBODY

=> D L5 1-5 IBIB

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2002:676304 CAPLUS  
DOCUMENT NUMBER: 137:180800  
TITLE: Transgenic knockouts of \*\*\*BACE\*\*\* -1 gene in mouse  
INVENTOR(S): McConlogue, Lisa C.; Gurney, Mark E.

PATENT ASSIGNEE(S): Elan Pharmaceuticals, Inc., USA; Pharmacia & Upjohn Company  
 SOURCE: PCT Int. Appl., 39 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002068955	A1	20020906	WO 2002-US5639	20020222
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2001-271092P	P 20010223
			US 2001-271514P	P 20010226
			US 2001-293762P	P 20010525
REFERENCE COUNT:	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2002:239750 CAPLUS  
 DOCUMENT NUMBER: 136:380284  
 TITLE: Endosomal proteolysis of internalized insulin at the C-terminal region of the B chain by cathepsin D  
 AUTHOR(S): Authier, Francois; Metioui, Mourad; Fabrega, Sylvie; Kouach, Mostafa; Briand, Gilbert  
 CORPORATE SOURCE: INSERM U510, Faculte de Pharmacie Paris XI, Chatenay-Malabry, 92296, Fr.  
 SOURCE: Journal of Biological Chemistry (2002), 277(11), 9437-9446  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PUBLISHER: American Society for Biochemistry and Molecular Biology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2002:107514 CAPLUS  
 DOCUMENT NUMBER: 136:163293  
 TITLE: \*\*\*BACE\*\*\* secretase/sheddase, a novel Asp-ase that processes \*\*\*BACE\*\*\* (beta-site APP-cleaving enzyme), and use in drug screening, diagnosis, prevention, or treatment of neurodegenerative disorders  
 INVENTOR(S): Seidah, Nabil G.; Chretien, Michel; Cromlish, James A.  
 PATENT ASSIGNEE(S): Institut De Recherche Cliniques De Montreal (IRCM), Can.  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002010354	A2	20020207	WO 2001-CA1118	20010801
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				

BJ, CF, CG, CI, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
PRIORITY APPLN. INFO.: CA 2000-2313828 A 20000801

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:394984 CAPLUS

DOCUMENT NUMBER: 135:118716

TITLE: Post-translational processing of .beta.-secretase  
(.beta.-amyloid-converting enzyme) and its ectodomain  
shedding. The pro- and transmembrane/cytosolic domains  
affect its cellular activity and amyloid-.beta.  
production

AUTHOR(S): Benjannet, Suzanne; Elagoz, Aram; Wickham, Louise;  
Mamarbachi, Maya; Munzer, Jon Scott; Basak, Ajoy;  
Lazure, Claude; Cromlish, James A.; Sisodia, Sangram;  
Checler, Frederic; Chretien, Michel; Seidah, Nabil G.

CORPORATE SOURCE: Biochemical Neuroendocrinology, Clinical Research  
Institute of Montreal, Montreal, QC, H2W 1R7, Can.

SOURCE: Journal of Biological Chemistry (2001), 276(14),  
10879-10887

PUBLISHER: CODEN: JBCHA3; ISSN: 0021-9258

American Society for Biochemistry and Molecular  
Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:380741 CAPLUS

DOCUMENT NUMBER: 135:1268

TITLE: Protein and cDNA sequences of a mouse .beta.-secretase  
sequence homolog mASP-2 and its diagnostic and  
therapeutic uses thereof

INVENTOR(S): Zhu, Yuan; Li, Xiaotong; Powell, David J.; Christie,  
Gary

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA; Smithkline  
Beecham PLC

SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001036600	A1	20010525	WO 2000-US31583	20001116

W: JP

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, TR

US 6361975	B1	20020326	US 2000-713158	20001115
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PRIORITY APPLN. INFO.: US 1999-165800P P 19991116

US 2000-713158 A 20001115

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s antibody?

L6 236751 ANTIBODY?

=> s L6 AND amyloid precursor protein

14398 AMYLOID

1486 AMYLOIDS

14471 AMYLOID

(AMYLOID OR AMYLOIDS)

180129 PRECURSOR

90840 PRECURSORS

241971 PRECURSOR

(PRECURSOR OR PRECURSORS)

1441462 PROTEIN

952582 PROTEINS

1664425 PROTEIN

(PROTEIN OR PROTEINS)

3896 AMYLOID PRECURSOR PROTEIN

L7 (AMYLOID(W)PROCURSOR(W)PROTEIN)  
279 L6 AND AMYLOID RECURSOR PROTEIN

=> S L7 AND in vitro  
514794 VITRO  
69 VITROS  
514862 IN VITRO  
(VITRO OR VITROS)  
L8 24 L7 AND IN VITRO

=> D L8 1-24 IBIB

L8 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2002:708230 CAPLUS  
TITLE: Immunization for Alzheimer's disease  
AUTHOR(S): Sigurdsson, Einar M.; Frangione, Blas; Wisniewski, Thomas  
CORPORATE SOURCE: Department of Psychiatry, School of Medicine,  
Department of Pathology, New York University, New York, NY, USA  
SOURCE: Drug Development Research (2002), 56(2), 135-142  
CODEN: DDREDK; ISSN: 0272-4391  
PUBLISHER: Wiley-Liss, Inc.  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 81 THERE ARE 81 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2002:284293 CAPLUS  
DOCUMENT NUMBER: 137:29710  
TITLE: Presence of angiotensin-converting enzyme in follicular fluids of porcine ovaries and its possible involvement in the intrafollicular breakdown of bradykinin  
AUTHOR(S): Matsui, Hitoshi; Takahashi, Takayuki  
CORPORATE SOURCE: Division of Biological Sciences, Graduate School of Science, Hokkaido University, Sapporo, 060-0810, Japan  
SOURCE: Molecular Reproduction and Development (2002), 62(1), 99-105  
CODEN: MREDEE; ISSN: 1040-452X  
PUBLISHER: Wiley-Liss, Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:816967 CAPLUS  
DOCUMENT NUMBER: 135:354682  
TITLE: .gamma.-Secretase substrates and in \*\*\*vitro\*\*\* assays  
INVENTOR(S): Li, Yueming; Xu, Min; Huang, Qian; Gardell, Stephen  
PATENT ASSIGNEE(S): Merck + Co., Inc., USA  
SOURCE: PCT Int. Appl., 36 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001083811	A1	20011108	WO 2001-US13332	20010425

W: CA, JP, US

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR

PRIORITY APPLN. INFO.: US 2000-201053P P 20000501  
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:459557 CAPLUS  
DOCUMENT NUMBER: 136:165247  
TITLE: Selective \*\*\*Antibody\*\*\* -Induced Cholinergic Cell and Synapse Loss Produce Sustained Hippocampal and



Cortisol Hypometabolism with Correlated Cognitive Deficits

AUTHOR(S): Browne, Susan E.; Lin, Ling; Mattsson, Anna; Georgievska, Biljana; Isacson, Ole  
CORPORATE SOURCE: Department of Neurology and Neuroscience, Weill Medical College at Cornell University, New York, NY, 10021, USA  
SOURCE: Experimental Neurology (2001), 170(1), 36-47  
CODEN: EXNEAC; ISSN: 0014-4886  
PUBLISHER: Academic Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 81 THERE ARE 81 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:182418 CAPLUS  
DOCUMENT NUMBER: 135:17228  
TITLE: Expression of human brain carboxypeptidase B, a possible cleaving enzyme for .beta.- \*\*\*amyloid\*\*\*  
\*\*\*precursor\*\*\* \*\*\*protein\*\*\*, in peripheral fluids  
AUTHOR(S): Matsumoto, A.; Motozaki, K.; Seki, T.; Sasaki, R.; Kawabe, T.  
CORPORATE SOURCE: Department of Radiation Biophysics and Genetics, Kobe University School of Medicine, Kobe, 650-0017, Japan  
SOURCE: Neuroscience Research (Shannon, Ireland) (2001), 39(3), 313-317  
CODEN: NERADN; ISSN: 0168-0102  
PUBLISHER: Elsevier Science Ireland Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:98083 CAPLUS  
DOCUMENT NUMBER: 135:165419  
TITLE: Proapoptotic Effects of Tau Cleavage Product Generated by Caspase-3  
AUTHOR(S): Chung, Chul-woong; Song, Yu-Hyun; Kim, In-Ki; Yoon, Won-Joo; Ryu, Bo-Rum; Jo, Dong-Gyu; Woo, Ha-Na; Kwon, Yun-Kyong; Kim, Hyun-Hee; Gwag, Byoung-Joo; Mook-Jung, In-Hee; Jung, Yong-Keun  
CORPORATE SOURCE: Department of Life Science, Kwangju Institute of Science and Technology, and Biomedical Brain Research Center, National Institute of Health, Puk-Gu, Kwangju, 500-712, S. Korea  
SOURCE: Neurobiology of Disease (2001), 8(1), 162-172  
CODEN: NUDIEH; ISSN: 0969-9961  
PUBLISHER: Academic Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:44900 CAPLUS  
DOCUMENT NUMBER: 132:218674  
TITLE: Characterization of .beta.-secretase using antibodies specific to the released N-terminus of .beta.-amyloid  
AUTHOR(S): Austen, Brian M.; Frears, Emma R.; Stephens, David J.  
CORPORATE SOURCE: Dept of Surgery, St. George's Hospital Medical School, London, SW17 0RE, UK  
SOURCE: Innovation and Perspectives in Solid Phase Synthesis & Combinatorial Libraries: Peptides, Proteins and Nucleic Acids--Small Molecule Organic Chemical Diversity, Collected Papers, International Symposium, 5th, London, Sept. 2-6, 1997 (1999), Meeting Date 1997, 177-180. Editor(s): Epton, Roger. Mayflower Scientific Ltd.: Kingswinford, UK.  
CODEN: 680EAA  
DOCUMENT TYPE: Conference  
LANGUAGE: English  
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1999:212578 CAPLUS  
 DOCUMENT NUMBER: 131:57660  
 TITLE: Pro-inflammatory complement activation by the A.beta. peptide of Alzheimer's disease is biologically significant and can be blocked by vaccinia virus complement control protein  
 AUTHOR(S): Daly, James; Kotwal, Girish J.  
 CORPORATE SOURCE: Department of Microbiology and Immunology, University of Louisville School of Medicine, Louisville, KY, 40292, USA  
 SOURCE: Neurobiology of Aging (1999), Volume Date 1998, 19(6), 619-627  
 CODEN: NEAGDO; ISSN: 0197-4580  
 PUBLISHER: Elsevier Science Inc.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1999:62835 CAPLUS  
 DOCUMENT NUMBER: 130:235129  
 TITLE: A 127-kDa protein (UV-DDB) binds to the cytoplasmic domain of the Alzheimer's \*\*\*amyloid\*\*\*  
 \*\*\*precursor\*\*\* \*\*\*protein\*\*\*  
 AUTHOR(S): watanabe, Takuo; Sukegawa, Jun; Sukegawa, Izumi; Tomita, Susumu; Iijima, Ko-Ichi; Oguchi, Shinobu; Suzuki, Toshiharu; Nairn, Angus C.; Greengard, Paul  
 CORPORATE SOURCE: Laboratory of Molecular and Cellular Neuroscience, Rockefeller University, New York, NY, 10021, USA  
 SOURCE: Journal of Neurochemistry (1999), 72(2), 549-556  
 CODEN: JONRA9; ISSN: 0022-3042  
 PUBLISHER: Lippincott Williams & Wilkins  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1998:733757 CAPLUS  
 DOCUMENT NUMBER: 130:93888  
 TITLE: Detection of the membrane-retained carboxy-terminal tail containing polypeptides of the \*\*\*amyloid\*\*\*  
 \*\*\*precursor\*\*\* \*\*\*protein\*\*\* in tissue from Alzheimer's disease brain  
 AUTHOR(S): Daly, James, VI; Lahiri, Debomoy K.; Justus, David E.; Kotwal, Girish J.  
 CORPORATE SOURCE: Department of Microbiology and Immunology, University of Louisville School of Medicine, Louisville, KY, 40292, USA  
 SOURCE: Life Sciences (1998), 63(23), 2121-2131  
 CODEN: LIFSAK; ISSN: 0024-3205  
 PUBLISHER: Elsevier Science Inc.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1998:674044 CAPLUS  
 DOCUMENT NUMBER: 130:76077  
 TITLE: Properties of activated microglia and pharmacologic interference by propentofylline  
 AUTHOR(S): McRae, Amanda; Ling, Eng-Ang; Schubert, Peter; Rudolphi, Karl  
 CORPORATE SOURCE: Department of Preclinical Science, Anatomy and Cell Biology Unit, University of the West Indies, St. Augustine, Trinidad/Tobago  
 SOURCE: Alzheimer Disease and Associated Disorders (1998), 12(Suppl. 2), S15-S20  
 CODEN: ADADE2; ISSN: 0893-0341  
 PUBLISHER: Lippincott Williams & Wilkins  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:174258 CAPLUS  
DOCUMENT NUMBER: 128:293137  
TITLE: Profiles of amyloid precursor and presenilin 2-like proteins are correlated during development of the mouse hypothalamus  
AUTHOR(S): Apert, Caroline; Czech, Christian; Faivre-Bauman, Annie; Loudes, Catherine; Pradier, Laurent; Epelbaum, Jacques  
CORPORATE SOURCE: Inserm U159, Centre Paul Broca, Paris, 75014, Fr.  
SOURCE: Journal of Neuroendocrinology (1998), 10(2), 101-109  
CODEN: JOUNE2; ISSN: 0953-8194  
PUBLISHER: Blackwell Science Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L8 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:85100 CAPLUS  
DOCUMENT NUMBER: 128:191197  
TITLE: Increased amyloidogenic secretion in cerebellar granule cells undergoing apoptosis  
AUTHOR(S): Galli, Cinzia; Piccini, Alessandra; Ciotti, Maria Teresa; Castellani, Lorian; Calissano, Pietro; Zaccheo, Damiano; Tabaton, Massimo  
CORPORATE SOURCE: Istituto di Neurobiologia, Consiglio Nazionale delle Ricerche, Rome, 00137, Italy  
SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1998), 95(3), 1247-1252  
CODEN: PNASA6; ISSN: 0027-8424  
PUBLISHER: National Academy of Sciences  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L8 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1997:454206 CAPLUS  
DOCUMENT NUMBER: 127:174847  
TITLE: Apolipoprotein E forms stable complexes with recombinant Alzheimer's disease .beta.- \*\*\*amyloid\*\*\*  
\*\*\*precursor\*\*\* \*\*\*protein\*\*\*  
AUTHOR(S): Haas, Cristina; Cazorla, Pilar; De Miguel, Carlos; Valdivieso, Fernando; Vazquez, Jesus  
CORPORATE SOURCE: Centro de Biologia Molecular 'Severo Ochoa', Universidad Autonoma de Madrid, Madrid, 28049, Spain  
SOURCE: Biochemical Journal (1997), 325(1), 169-175  
CODEN: BIJOAK; ISSN: 0264-6021  
PUBLISHER: Portland Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L8 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1997:443622 CAPLUS  
DOCUMENT NUMBER: 127:174842  
TITLE: Cell-specific expression of .beta.- \*\*\*amyloid\*\*\*  
\*\*\*precursor\*\*\* \*\*\*protein\*\*\* isoform mRNAs and proteins in neurons and astrocytes  
AUTHOR(S): Rohan de Silva, H. A.; Jen, Angela; Wickenden, Colin; Jen, Ling-Sun; Wilkinson, Sarah L.; Patel, Ambrish J.  
CORPORATE SOURCE: MRC Neurodegenerative Disorders Group, Departments Biochemistry, Clinical Neuroscience Anatomy, Charing Cross and Westminster Medical School, London, W6 8RF, UK  
SOURCE: Molecular Brain Research (1997), 47(1,2), 147-156  
CODEN: MBREE4; ISSN: 0169-328X  
PUBLISHER: Elsevier  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L8 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1995:972633 CAPLUS  
DOCUMENT NUMBER: 124:51732  
TITLE: Serine proteinase inhibitors in human skeletal muscle: expression of .beta.-amyloid protein precursor and .alpha.1-antichymotrypsin in vivo and during

myogenesis in \*\*\*vitro\*\*\*  
 AUTHOR(S): Akaaboune, Mohammed; Verdiere-Sahuque, Martine;  
 CORPORATE SOURCE: Lachkar, Sylvie; Festoff, Barry W.; Hantaie, Daniel  
 SOURCE: Developpement, Pathologie, Regeneration du Systeme  
 Neuromusculaire, CNRS ERS 64, Paris, 75005, Fr.  
 JOURNAL OF Cellular Physiology (1995), 165(3), 503-11  
 CODEN: JCLLAX; ISSN: 0021-9541  
 PUBLISHER: Wiley-Liss  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L8 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:795391 CAPLUS

DOCUMENT NUMBER: 123:222388

TITLE: Methods for monitoring cellular processing of .beta.-  
 \*\*\*amyloid\*\*\* \*\*\*precursor\*\*\* \*\*\*protein\*\*\*

INVENTOR(S): Seubert, Peter A.; Schenk, Dale B.; Fritz, Lawrence C.

PATENT ASSIGNEE(S): Athena Neurosciences, Inc., USA; Lilly, Eli, and Co.

SOURCE: U.S., 16 pp. Cont.-in-part of U.S. Ser. No. 868,949,  
 abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 6

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5441870	A	19950815	US 1992-965971	19921026
WO 9321526	A1	19931028	WO 1993-US1817	19930303
W: AU, CA, FI, JP, NO, NZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9337827	A1	19931118	AU 1993-37827	19930303
AU 688726	B2	19980319		
EP 638172	A1	19950215	EP 1993-907104	19930303
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 07506967	T2	19950803	JP 1993-518303	19930303
US 5604102	A	19970218	US 1993-143697	19931027
FI 9404847	A	19941014	FI 1994-4847	19941014
NO 9403912	A	19941110	NO 1994-3912	19941014
US 5605811	A	19970225	US 1995-440261	19950512
US 5721130	A	19980224	US 1995-440423	19950512
US 6018024	A	20000125	US 1997-846444	19970501

PRIORITY APPLN. INFO.:

US 1992-868949	B2	19920415
US 1992-965971	A	19921026
WO 1993-US1817	A	19930303
US 1995-868949	B2	19950415
US 1995-440423	A3	19950512

L8 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:451468 CAPLUS

DOCUMENT NUMBER: 122:210719

TITLE: Cell-surface .beta.- \*\*\*amyloid\*\*\*  
 \*\*\*precursor\*\*\* \*\*\*protein\*\*\* stimulates neurite  
 outgrowth of hippocampal neurons in an  
 isoform-dependent manner

AUTHOR(S): Qiu, Wei Qiao; Ferreira, Adriana; Miller, Christine;

Koo, Edward H.; Selkoe, Dennis J.

CORPORATE SOURCE: Department of Neurlogy and Program in Neuroscience,

Harvard Medical School, Boston, MA, 02115, USA

SOURCE: Journal of Neuroscience (1995), 15(3, Pt. 2), 2157-67

CODEN: JNRSDS; ISSN: 0270-6474

PUBLISHER: Society for Neuroscience

DOCUMENT TYPE: Journal

LANGUAGE: English

L8 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1994:601743 CAPLUS

DOCUMENT NUMBER: 121:201743

TITLE: Expression of the intermediate filament-associated  
 protein related to .beta.- \*\*\*amyloid\*\*\*  
 \*\*\*precursor\*\*\* \*\*\*protein\*\*\* is developmentally  
 regulated in cultured cells

AUTHOR(S): Durham, H. D.; Minotti, S.; Dooley, N. P.;

Nalbantoglu, J.

CORPORATE SOURCE: McGill Cent. Studies in Aging, McGill Univ., Montreal,

SOURCE: QC, C  
Journal of Neuroscience Research (1994), 38(6), 629-39  
CODEN: JNREDK; ISSN: 0360-4012  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L8 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1994:153740 CAPLUS  
DOCUMENT NUMBER: 120:153740  
TITLE: Methods for regulation of .beta.-amyloid protein with inhibitors of proteases specific for Alzheimer's disease .beta.- \*\*\*amyloid\*\*\* \*\*\*precursor\*\*\*  
\*\*\*protein\*\*\* (APP), and methods for detecting APP processing enzymes  
INVENTOR(S): Tamburini, Paul P.; Dreyer, Robert N.  
PATENT ASSIGNEE(S): Miles Inc. (an Indiana Corp.), USA  
SOURCE: Eur. Pat. Appl., 72 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 569777	A2	19931118	EP 1993-106884	19930428
EP 569777	A3	19931201		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
AU 9337110	A1	19931118	AU 1993-37110	19930422
AU 679675	B2	19970710		
CA 2095888	AA	19931112	CA 1993-2095888	19930510
ZA 9303249	A	19940311	ZA 1993-3249	19930510
JP 08268911	A2	19961015	JP 1993-132535	19930511
WO 9413319	A1	19940623	WO 1993-US10889	19931112
W: AU, CA, JP, NZ, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2151927	AA	19940623	CA 1993-2151927	19931112
AU 9457264	A1	19940704	AU 1994-57264	19931112
EP 694076	A1	19960131	EP 1994-903250	19931112
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08508464	T2	19960910	JP 1993-514167	19931112
WO 9513084	A1	19950518	WO 1994-US7043	19940621
W: AU, CA, JP, NZ, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2175564	AA	19950518	CA 1994-2175564	19940621
AU 9471150	A1	19950529	AU 1994-71150	19940621
EP 744954	A1	19961204	EP 1994-920300	19940621
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 09505284	T2	19970527	JP 1994-513788	19940621
PRIORITY APPLN. INFO.:				
			US 1992-880914	19920511
			US 1992-995660	19921216
			WO 1993-US10889	19931112
			WO 1994-US7043	19940621

L8 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1994:49560 CAPLUS  
DOCUMENT NUMBER: 120:49560  
TITLE: Methods and compositions for monitoring cellular processing of .beta.- \*\*\*amyloid\*\*\*  
\*\*\*precursor\*\*\* (.beta.APP)  
INVENTOR(S): Seubert, Peter A.; Schenk, Dale B.; Fritz, Lawrence C.  
PATENT ASSIGNEE(S): Athena Neurosciences, Inc., USA; Lilly, Eli, and Co.  
SOURCE: PCT Int. Appl., 37 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 6  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9321526	A1	19931028	WO 1993-US1817	19930303
W: AU, CA, FI, JP, NO, NZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5441870	A	19950815	US 1992-965971	19921026
AU 9337827	A1	19931118	AU 1993-37827	19930303

AU 688726	B2	19930319		
EP 638172	A1	19930215	EP 1993-907104	19930303
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 07506967	T2	19950803	JP 1993-518303	19930303
FI 9404847	A	19941014	FI 1994-4847	19941014
NO 9403912	A	19941110	NO 1994-3912	19941014
PRIORITY APPLN. INFO.:			US 1992-868949	A 19920415
			US 1992-965971	A 19921026
			WO 1993-US1817	A 19930303

L8 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1993:643795 CAPLUS  
 DOCUMENT NUMBER: 119:243795  
 TITLE: Amyloid-like properties of peptides flanking the  
 epitope of \*\*\*amyloid\*\*\* \*\*\*precursor\*\*\*  
 \*\*\*protein\*\*\* -specific monoclonal \*\*\*antibody\*\*\*  
 22C11  
 AUTHOR(S): Hilbich, Caroline; Moenning, Ursula; Grund, Christine;  
 Masters, Colin L.; Beyreuther, Konrad  
 CORPORATE SOURCE: Cent. Mol. Biol., Univ. Heidelberg, Heidelberg,  
 D-69120, Germany  
 SOURCE: Journal of Biological Chemistry (1993), 268(35),  
 26571-7  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L8 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1993:99574 CAPLUS  
 DOCUMENT NUMBER: 118:99574  
 TITLE: Deposition of .beta./A4 immunoreactivity and neuronal  
 pathology in transgenic mice expressing the  
 carboxyl-terminal fragment of the Alzheimer amyloid  
 precursor in the brain  
 AUTHOR(S): Kammesheidt, Anja; Boyce, Frederick M.; Spanoyannis,  
 Athena F.; Cummings, Brian J.; Ortegón, Marta; Cotman,  
 Carl; Vaught, Jeffrey L.; Neve, Rachael L.  
 CORPORATE SOURCE: Dep. Psychobiol., Univ. California, Irvine, CA, 92717,  
 USA  
 SOURCE: Proceedings of the National Academy of Sciences of the  
 United States of America (1992), 89(22), 10857-61  
 CODEN: PNASA6; ISSN: 0027-8424  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L8 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1992:19185 CAPLUS  
 DOCUMENT NUMBER: 116:19185  
 TITLE: Amyloid .beta./A4 protein precursor of human glioma  
 cell, Bu-17  
 AUTHOR(S): Kametani, Fuyuki; Haga, Seiichi; Tanaka, Kikuko;  
 Izumiyama, Yohko; Ishii, Tsuyoshi  
 CORPORATE SOURCE: Dep. Mol. Biol., Psychiatr. Res. Inst., Tokyo, 156,  
 Japan  
 SOURCE: Biomedical Research (1991), 12(5), 351-5  
 CODEN: BRESO5; ISSN: 0388-6107  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

=> s amyloid precursor protein

0 AMYLOID  
 2 PRECURSOR  
 7 PROTEIN

L9 0 AMYLOID PRECURSOR PROTEIN  
 (AMYLOID(W)PRECURSOR(W)PROTEIN)

=> s A-beta

221 A  
 0 BETA  
 0 A-BETA  
 (A(W)BETA)

L10

=> file caplus

=> s abeta11-40  
0 ABETA11  
1128083 40  
L12 0 ABETA11-40  
(ABETA11(w)40)

=> s a-beta  
16587040 A  
1140641 BETA  
1311 BETAS  
1140707 BETA  
(BETA OR BETAS)  
L13 41204 A-BETA  
(A(w)BETA)

=> s L13 AND amyloid  
14398 AMYLOID  
1486 AMYLOIDS  
14471 AMYLOID  
(AMYLOID OR AMYLOIDS)  
L14 3619 L13 AND AMYLOID

=> s L14 AND modulat?  
248422 MODULAT?  
L15 273 L14 AND MODULAT?

=> s L15 AND antibody  
236731 ANTIBODY  
257394 ANTIBODIES  
357839 ANTIBODY  
(ANTIBODY OR ANTIBODIES)  
L16 18 L15 AND ANTIBODY

=> D L16 1-18 IBIB

L16 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2002:737265 CAPLUS  
TITLE: Anti-aggregating \*\*\*antibodies\*\*\* , a new approach  
towards treatment of conformational diseases  
AUTHOR(S): Solomon, Beka  
CORPORATE SOURCE: Department of Molecular Microbiology & Biotechnology,  
The George S. Wise Faculty of Life Sciences, Tel-Aviv  
University, Tel-Aviv, 69978, Israel  
SOURCE: Current Medicinal Chemistry (2002), 9(19), 1737-1749  
CODEN: CMCHE7; ISSN: 0929-8673  
PUBLISHER: Bentham Science Publishers  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L16 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2002:708233 CAPLUS  
TITLE: Immunological concept in the treatment of Alzheimer's  
disease  
AUTHOR(S): Solomon, Beka  
CORPORATE SOURCE: Department of Molecular Microbiology and  
Biotechnology, George S. Wise Faculty of Life  
Sciences, Tel-Aviv University, Tel-Aviv, 69978, Israel  
SOURCE: Drug Development Research (2002), 56(2), 163-167  
CODEN: DDREDK; ISSN: 0272-4391  
PUBLISHER: Wiley-Liss, Inc.  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2002:674679 CAPLUS  
TITLE: Protein and cDNA sequences of human ATP-binding  
cassette transporter ABCA9 and their uses in diagnosis  
and therapy  
INVENTOR(S): Chen, Hongyun; Le Bihan, Stephane; Nathwani, Parimal  
S.; Connop, Bruce P.  
PATENT ASSIGNEE(S): Active Pass Pharmaceuticals, Inc., Can.  
SOURCE: U.S. Pat. Appl. Publ., 46 pp.

DOCUMENT TYPE:  
LANGUAGE:  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

CODEN: SXXCX  
Patent  
English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002123106	A1	20020905	US 2002-90454	20020304
WO 2002070692	A2	20020912	WO 2002-CA275	20020304

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:  
US 2001-273618P P 20010305  
US 2001-309096P P 20010731  
US 2001-315687P P 20010828

L16 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:441561 CAPLUS

DOCUMENT NUMBER: 137:153314

TITLE: Alterations in behavior, \*\*\*amyloid\*\*\* .beta.-42,  
caspase-3, and Cox-2 in mutant PS2 transgenic mouse  
model of Alzheimer's disease

AUTHOR(S): Hwang, Dae Y.; Chae, Kab R.; Kang, Tae S.; Hwang, Jin  
H.; Lim, Chae H.; Kang, Hyun K.; Goo, Jun S.; Lee, Mi  
R.; Lim, Hwa J.; Min, Sae H.; Cho, Jun Y.; Hong, Jin  
T.; Song, Chi W.; Paik, Sang G.; Cho, Jung S.; Kim,  
Yong Ki

CORPORATE SOURCE: Division of Laboratory Animal Resources, National  
Institute of Toxicological Research, Seoul, 122-704,  
S. Korea

SOURCE: FASEB Journal (2002), 16(8), 805-813

CODEN: FAJOEC; ISSN: 0892-6638

PUBLISHER: Federation of American Societies for Experimental  
Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:275503 CAPLUS

DOCUMENT NUMBER: 137:163104

TITLE: .beta.- \*\*\*Amyloid\*\*\* peptide as a target for  
treatment of Alzheimer's disease

AUTHOR(S): Conde, Santiago

CORPORATE SOURCE: Instituto de Quimica Medica (C.S.I.C.), Madrid, 28006,  
Spain

SOURCE: Expert Opinion on Therapeutic Patents (2002), 12(4),  
503-512

CODEN: EOTPEG; ISSN: 1354-3776

PUBLISHER: Ashley Publications Ltd.

DOCUMENT TYPE: Journal; General Review

LANGUAGE: English

REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:107514 CAPLUS

DOCUMENT NUMBER: 136:163293

TITLE: BACE secretase/sheddase, a novel Asp-ase that  
processes BACE (beta-site APP-cleaving enzyme), and  
use in drug screening, diagnosis, prevention, or  
treatment of neurodegenerative disorders

INVENTOR(S): Seidah, Nabil G.; Chretien, Michel; Cromlish, James A.  
PATENT ASSIGNEE(S): Institut De Recherche Cliniques De Montreal (IRCM),  
Can.

SOURCE: PCT Int. Appl., 64 pp.  
CODEN: PIXXD2



DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002010354	A2	20020207	WO 2001-CA1118	20010801

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: CA 2000-2313828 A 20000801  
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2002:43676 CAPLUS  
DOCUMENT NUMBER: 137:4575  
TITLE: Immunotherapeutic strategies for prevention and treatment of Alzheimer's disease  
AUTHOR(S): Solomon, Beka  
CORPORATE SOURCE: Department of Molecular Microbiology and Biotechnology, Faculty of Life Sciences, Tel Aviv University, Tel Aviv-Jaffa, Israel  
SOURCE: DNA and Cell Biology (2001), 20(11), 697-703  
CODEN: DCEBE8; ISSN: 1044-5498  
PUBLISHER: Mary Ann Liebert, Inc.  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:567209 CAPLUS  
DOCUMENT NUMBER: 136:182011  
TITLE: Immunological aspects of Alzheimer's disease: therapeutic implications  
AUTHOR(S): Hoozemans, Jeroen J. M.; Rozemuller, Annemieke J. M.; Veerhuis, Robert; Eikelenboom, Piet  
CORPORATE SOURCE: Department of Psychiatry, Graduate School of Neurosciences Amsterdam, Research Institute Neurosciences Vrije Universiteit, Department of Pathology, Vrije Universiteit Medical Center, Amsterdam, Neth.  
SOURCE: BioDrugs (2001), 15(5), 325-337  
CODEN: BIDRF4; ISSN: 1173-8804  
PUBLISHER: Adis International Ltd.  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 110 THERE ARE 110 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:447513 CAPLUS  
DOCUMENT NUMBER: 135:194288  
TITLE: \*\*\*Antibody\*\*\* -mediated phagocytosis of the \*\*\*amyloid\*\*\* .beta.-peptide in microglia is differentially \*\*\*modulated\*\*\* by C1q  
AUTHOR(S): Webster, Scott D.; Galvan, Manuel D.; Ferran, Erick; Garzon-Rodriguez, William; Glabe, Charles G.; Tenner, Andrea J.  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California, Irvine, CA, 92697, USA  
SOURCE: Journal of Immunology (2001), 166(12), 7496-7503  
CODEN: JOIMA3; ISSN: 0022-1767  
PUBLISHER: American Association of Immunologists  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS

L16 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2001:400607 CAPLUS  
 DOCUMENT NUMBER: 135:135834  
 TITLE: Effects of apolipoprotein E (apoE) isoforms, .beta.-  
 \*\*\*amyloid\*\*\* ( \*\*\*A\*\*\* . \*\*\*beta\*\*\* .) and  
 apoE/ \*\*\*A\*\*\* . \*\*\*beta\*\*\* . complexes on Protein  
 Kinase C-.alpha. (PKC-.alpha.) translocation and  
 \*\*\*amyloid\*\*\* precursor protein (APP) processing in  
 human SH-SY5Y neuroblastoma cells and fibroblasts  
 AUTHOR(S): Cedazo-Minguez, Angel; Wiehager, Birgitta; Winblad,  
 Bengt; Hutterer, Manfred; Cowburn, Richard F.  
 CORPORATE SOURCE: Section for Geriatric Medicine, Karolinska Institutet,  
 NEUROTEC, NOVUM, KFC, Huddinge, S-141 86, Swed.  
 SOURCE: Neurochemistry International (2001), 38(7), 615-625  
 CODEN: NEUIDS; ISSN: 0197-0186  
 PUBLISHER: Elsevier Science Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2000:441808 CAPLUS  
 DOCUMENT NUMBER: 133:72498  
 TITLE: Protein-protein interactions in neurodegenerative  
 disorders  
 INVENTOR(S): Roch, Jean-Marc; Bartel, Paul L.  
 PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
 SOURCE: PCT Int. Appl., 87 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000037483	A1	20000629	WO 1999-US30396	19991221
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1140973	A1	20011010	EP 1999-966485	19991221
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
US 2002040484	A1	20020404	US 2001-948904	20010910
US 2002120947	A1	20020829	US 2001-949143	20010910
US 2002045201	A1	20020418	US 2001-970898	20011005
US 2002048769	A1	20020425	US 2001-970814	20011005
US 2002059653	A1	20020516	US 2001-970666	20011005
US 2002054876	A1	20020509	US 2001-971675	20011009
US 2002069424	A1	20020606	US 2001-971677	20011009
PRIORITY APPLN. INFO.:			US 1998-113534P	P 19981222
			US 1999-124120P	P 19990312
			US 1999-141243P	P 19990630
			US 1999-466139	A3 19991221
			WO 1999-US30396	W 19991221
REFERENCE COUNT:	14	THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L16 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2000:414886 CAPLUS  
 DOCUMENT NUMBER: 133:294717  
 TITLE: Endogenous APP derivatives oppositely \*\*\*modulate\*\*\*  
 apoptosis through an autocrine loop  
 AUTHOR(S): Piccini, Alessandra; Ciotti, Maria T.; Vitolo, Ottavio  
 V.; Calissano, Pietro; Tabaton, Massimo; Galli, Cinzia  
 CORPORATE SOURCE: Istituto di Neurobiologia, Consiglio Nazionale delle  
 Ricerche, Rome, 00137, Italy

SOURCE: NeuroReport (2000), 11(7), 1375-1379  
CODEN: NEURPEZ; ISSN: 0959-4965  
PUBLISHER: Lippincott Williams & Wilkins  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2000:409954 CAPLUS  
DOCUMENT NUMBER: 133:249258  
TITLE: Glutamine synthetase, hemoglobin .alpha.-chain, and  
macrophage migration inhibitory factor binding to  
\*\*\*amyloid\*\*\* .beta.-protein: their identification  
in rat brain by a novel affinity chromatography and in  
Alzheimer's disease brain by immunoprecipitation  
AUTHOR(S): Oyama, R.; Yamamoto, H.; Titani, K.  
CORPORATE SOURCE: Department of Neuropathology, Faculty of Medicine,  
University of Tokyo, Tokyo, 113-0033, Japan  
SOURCE: Biochimica et Biophysica Acta (2000), 1479(1-2),  
91-102  
CODEN: BBACAQ; ISSN: 0006-3002  
PUBLISHER: Elsevier Science B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:309213 CAPLUS  
DOCUMENT NUMBER: 129:80161  
TITLE: .beta.2-Microglobulin modified with advanced glycation  
end products \*\*\*modulates\*\*\* collagen synthesis by  
human fibroblasts  
AUTHOR(S): Owen, William F., Jr.; Hou, Fan Fan; Stuart, Robert  
O.; Kay, Jonathan; Boyce, Joshua; Chertow, Glenn, M.;  
Schmidt, Ann Marie  
CORPORATE SOURCE: Renal Division, Division of Immunology and  
Rheumatology, Department of Medicine, Brigham &  
Women's Hospital, Harvard Medical School, Boston, MA,  
USA  
SOURCE: Kidney International (1998), 53(5), 1365-1373  
CODEN: KDYIA5; ISSN: 0085-2538  
PUBLISHER: Blackwell Science, Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L16 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1997:674676 CAPLUS  
DOCUMENT NUMBER: 127:341678  
TITLE: Prevention of \*\*\*amyloid\*\*\* -like deposition by a  
selective prolyl endopeptidase inhibitor, Y-29794, in  
senescence-accelerated mouse  
AUTHOR(S): Kato, Akira; Fukunari, Atsushi; Sakai, Yoko; Nakajima,  
Tohru  
CORPORATE SOURCE: Research Laboratories, Yoshitomi Pharmaceutical  
Industries, Ltd., Chikujo, 871, Japan  
SOURCE: Journal of Pharmacology and Experimental Therapeutics  
(1997), 283(1), 328-335  
CODEN: JPETAB; ISSN: 0022-3565  
PUBLISHER: Williams & Wilkins  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L16 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1996:258835 CAPLUS  
DOCUMENT NUMBER: 125:7459  
TITLE: \*\*\*A\*\*\* . \*\*\*beta\*\*\* .-peptide length and  
apolipoprotein E genotype in Alzheimer's disease  
AUTHOR(S): Gearing, Marla; Mori, Hiroshi; Mirra, Suzanne S.  
CORPORATE SOURCE: VA Medical Center (151A), Decatur, GA, 30033, USA  
SOURCE: Annals of Neurology (1996), 39(3), 395-9  
CODEN: ANNED3; ISSN: 0364-5134  
PUBLISHER: Little, Brown  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L16 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1995:203730 CAPLUS  
 DOCUMENT NUMBER: 122:7112  
 TITLE: Aluminum modifies the properties of Alzheimer's  
 disease PHF.tau. proteins in vivo and in vitro  
 AUTHOR(S): Shin, Ryong Woon; Lee, Virginia M. Y.; Trojanowski,  
 John Q.  
 CORPORATE SOURCE: Dep. Pathology and Lab. Med., Univ. Pennsylvania Sch.  
 Med., Philadelphia, PA, 19104-4283, USA  
 SOURCE: Journal of Neuroscience (1994), 14(11, Pt. 2), 7221-33  
 CODEN: JNRSDS; ISSN: 0270-6474  
 PUBLISHER: Society for Neuroscience  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L16 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1993:5041 CAPLUS  
 DOCUMENT NUMBER: 118:5041  
 TITLE: A 109-amino-acid C-terminal fragment of  
 Alzheimer's-disease \*\*\*amyloid\*\*\* precursor  
 protein contains a sequence, -RHDS-, that promotes  
 cell adhesion  
 AUTHOR(S): Ghiso, Jorge; Rostagno, Agueda; Gardella, Joseph E.;  
 Liem, Linda; Gorevic, Peter D.; Frangione, Blas  
 CORPORATE SOURCE: Med. Cent., New York Univ., New York, NY, 10016, USA  
 SOURCE: Biochemical Journal (1992), 288(3), 1053-9  
 CODEN: BIJOAK; ISSN: 0306-3275  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

=> FIL STNGUIDE

=> s amyloid

0 AMYLOID  
 L17 0 AMYLOID

=> s anti-BACE1 antibody

0 ANTI  
 0 BACE1  
 0 ANTIBODY  
 1 ANTIBODIES  
 1 ANTIBODY  
 (ANTIBODY OR ANTIBODIES)  
 L18 0 ANTI-BACE1 ANTIBODY  
 (ANTI(W)BACE1(W)ANTIBODY)

=> s BACE1 antibody

0 BACE1  
 0 ANTIBODY  
 1 ANTIBODIES  
 1 ANTIBODY  
 (ANTIBODY OR ANTIBODIES)  
 L19 0 BACE1 ANTIBODY  
 (BACE1(W)ANTIBODY)

=> s BACE1

L20 0 BACE1

=> s beta-site APP-cleaving enzyme 1

0 BETA  
 1 SITE  
 8 SITES  
 9 SITE  
 (SITE OR SITES)  
 7 APP  
 44 APPS  
 50 APP  
 (APP OR APPS)  
 0 CLEAVING  
 11 ENZYME  
 1 ENZYMES  
 12 ENZYME  
 (ENZYME OR ENZYMES)

218 1  
L21 0 BETA-SITE APP-CLEAVING ENZYME 1  
(BETA(W)SITE(W)APP(W)CLEAVING(W)ENZYME(W)1)

=> s APP-cleaving enzyme

7 APP  
44 APPS  
50 APP  
(APP OR APPS)  
0 CLEAVING  
11 ENZYME  
1 ENZYMES  
12 ENZYME  
(ENZYME OR ENZYMES)  
L22 0 APP-CLEAVING ENZYME  
(APP(W)CLEAVING(W)ENZYME)

=> s APP-cleaving

7 APP  
44 APPS  
50 APP  
(APP OR APPS)  
0 CLEAVING  
L23 0 APP-CLEAVING  
(APP(W)CLEAVING)

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